

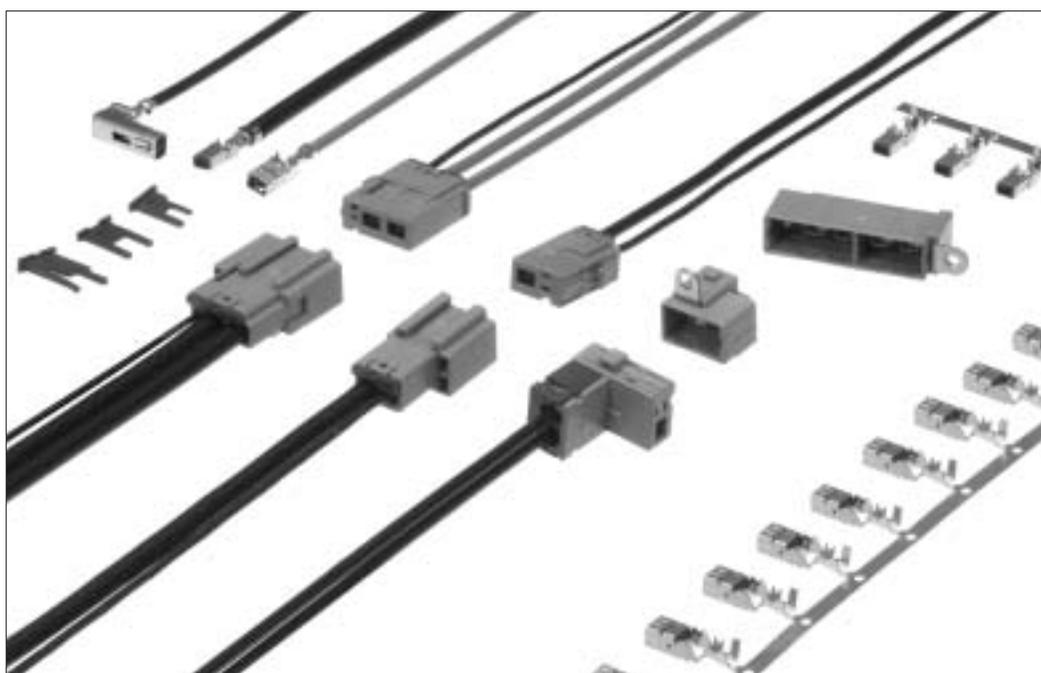
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

Termination of coaxial cables in automotive, medical and instrumentation applications utilizes a single motion to crimp the center conductor, shield and outer insulation.

GT13 Series

— Connectors for coaxial cables —

< Several types and configurations: In-line, board mounted, combinations of coaxial cable with signal/power. Multi-position. >



■ Features

- **Cost efficient termination**
Highly efficient and reliable single motion crimp termination allows high volume production with semi-automatic equipment.
- **Space-saving Design**
- **Lock-release latching system**
- **Shock / vibration resistant electrical connections**
- **Verification of the full contact insertion**

■ Applications

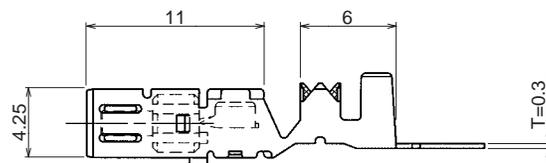
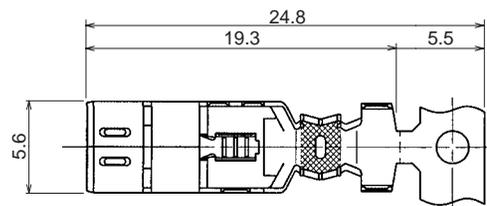
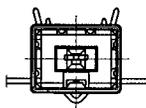
In-car communication, car sensors (temperature, pressure), automotive audio systems, GPS antenna systems, RACS antenna audio/video antenna systems, CRT displays, medical and measuring instrumentation, variety of communication equipment, office automation equipment, LAN systems.

GT13 Series

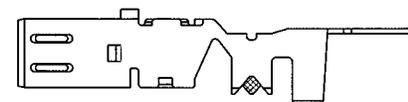
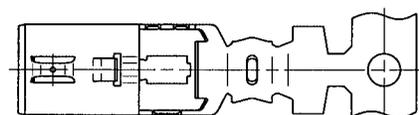
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

- GT 1
- GT 5
- GT 13
- GT 16
- PO5G
- GT 11
- GT 14
- GT 17
- GT 19N
- GT 2
- GT 3
- GT 6W
- GT 7
- GT 10
- GT 12
- GT 18W
- GT 15
- GT 8
- GT 9

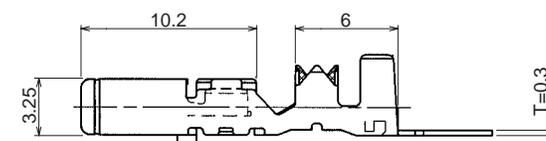
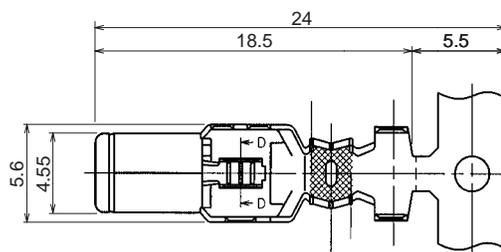
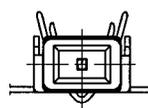
F Terminals



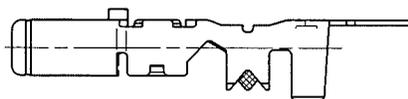
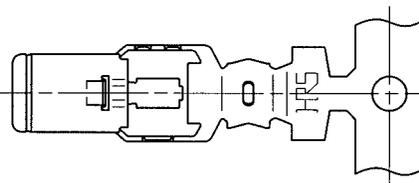
Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging
GT13-2428/1.6-2.9SCF	763-0001-3	AWG #24 to 28 or equivalent	1.5~2.0	1.6~3.4	3,000 pieces per reel
GT13-30/1.6-2.9SCF	763-0012-0	AWG #30 or equivalent		2.3~2.7	
GT13-2428/1.6-2.5SCF	763-0042-0	AWG #24 to 28 or equivalent	3.0~3.6	4.6~5.0	2,200 pieces per reel
GT13-2428/F4-5SCF	763-0051-1	AWG #24 to 28 or equivalent		3.0~3.6	
GT13-30/F4-5SCF	763-0067-1	AWG #30 or equivalent	2.5~2.9	3.6~4.0	
GT13-30/F3.3-3.8SCF	763-0052-4	AWG #30 or equivalent		2.5~2.9	



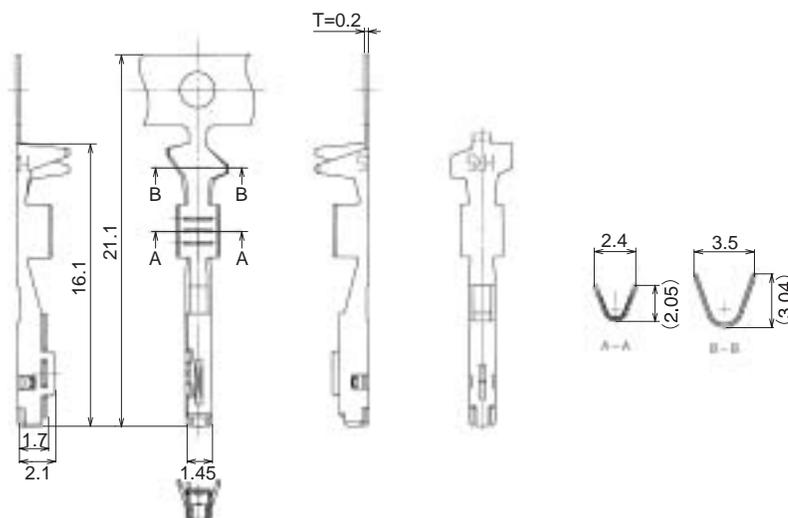
M Terminals



Part Number	HRS No.	Conductor Size (AWG)	Inner Insulation Diameter	Outer Diameter	Packaging
GT13-2428/1.6-2.9PCF	763-0002-6	AWG #24 to 28 or equivalent	1.5~2.0	1.6~3.4	4,000 pieces per reel
GT13-30/1.6-2.9PCF	763-0041-8	AWG #30 or equivalent		2.3~2.7	
GT13-2428/1.6-2.5PCF	763-0069-7	AWG #24 to 28 or equivalent	3.0~3.6	4.6~5.0	2,200 pieces per reel
GT13-2428/F4-5PCF	763-0054-0	AWG #24 to 28 or equivalent		3.0~3.6	
GT13-30/F4-5PCF	763-0066-9	AWG #30 or equivalent	2.5~2.9	3.6~4.0	
GT13-30/F3.3-3.8PCF	763-0053-7	AWG #30 or equivalent		2.5~2.9	

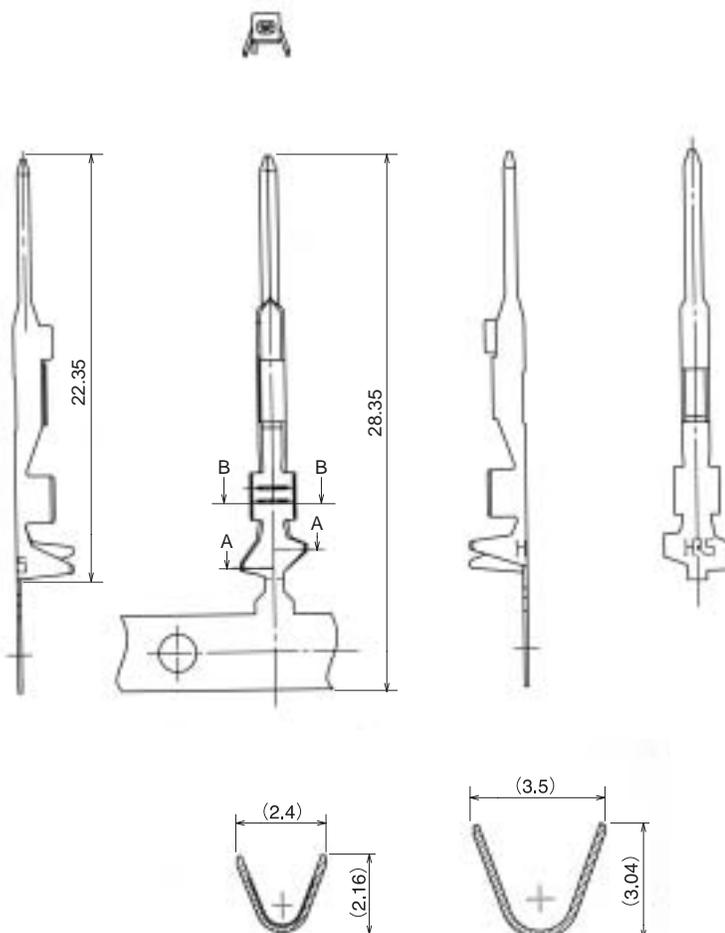
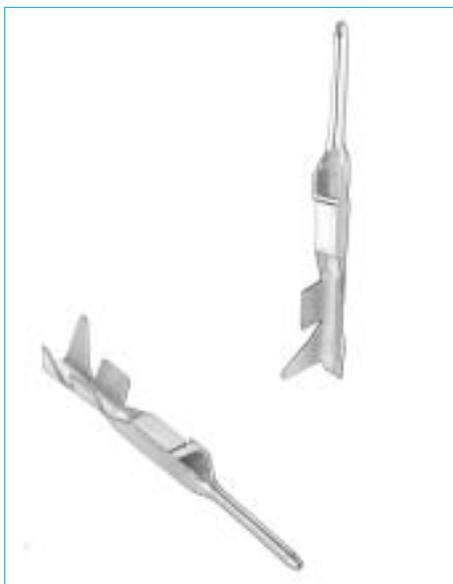


F Connector Power Supply Terminal



Part Number	CL No.	Packaging
GT10A-2022SCF	760-0014-6	8,000 pieces per reel

M Connector Power Supply Terminal



Part Number	CL No.	Packaging
GT10SC-2022PCF	760-0016-1	7,000 pieces per reel

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

GT 2

GT 3

GT 6W

GT 7

GT 10

GT 12

GT 18W

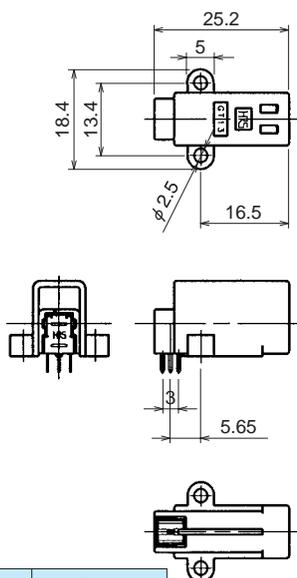
GT 15

GT 8

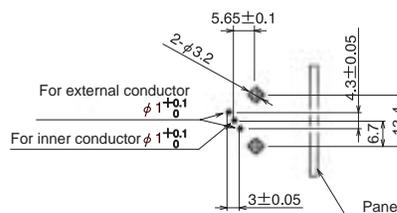
GT 9

F Connectors

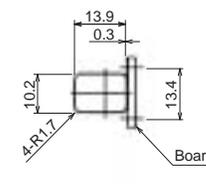
One-position Type



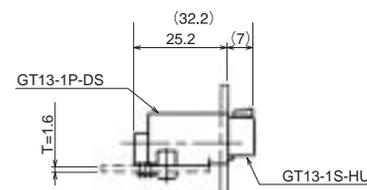
Recommended Board Mounting Pattern



Recommended Panel Cut-out

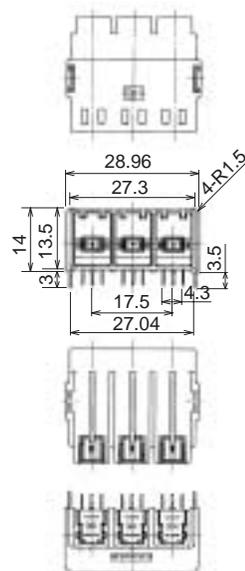


Fully mated connector assemblies

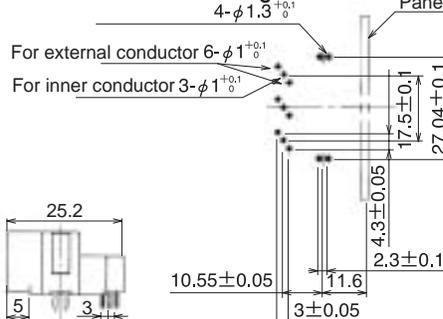


Part Number	HRS No.	Material	Color
GT13-1P-DS	763-0005-4	PBT	Light Gray

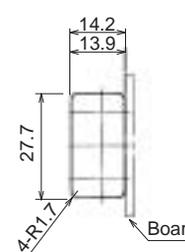
3-position type



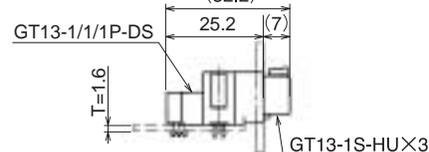
Recommended Board Mounting Pattern



Recommended Panel Cut-out



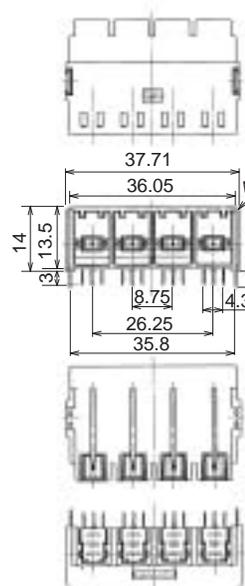
Fully mated connector assemblies



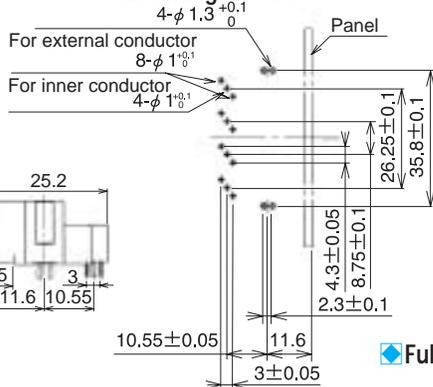
Part Number	CL No.
GT13-1/1/1P-DS	763-0007-0

Material	Color
PBT	Light Gray

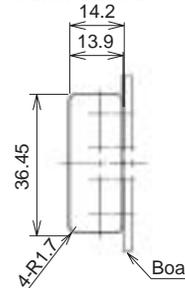
4-position type



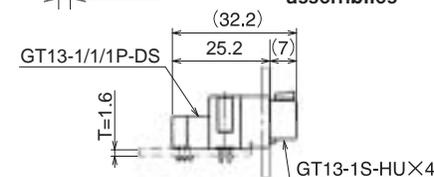
Recommended Board Mounting Pattern



Recommended Panel Cut-out



Fully mated connector assemblies



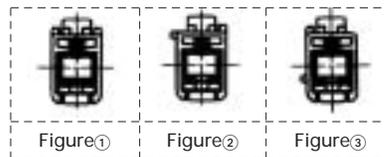
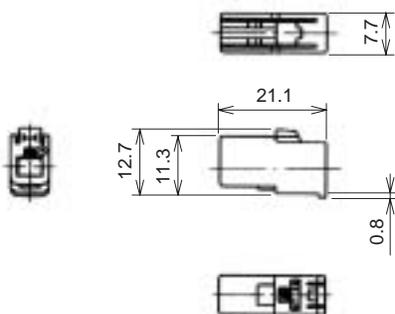
Part Number	CL No.
GT13-1/1/1P-DS	763-0008-2

Material	Color
PBT	Light Gray

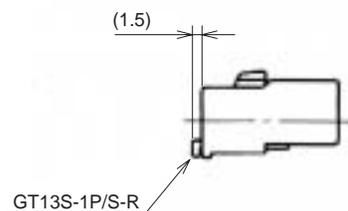
GT13 Series

13S Series

F Housings

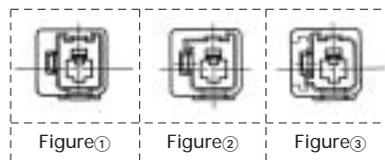
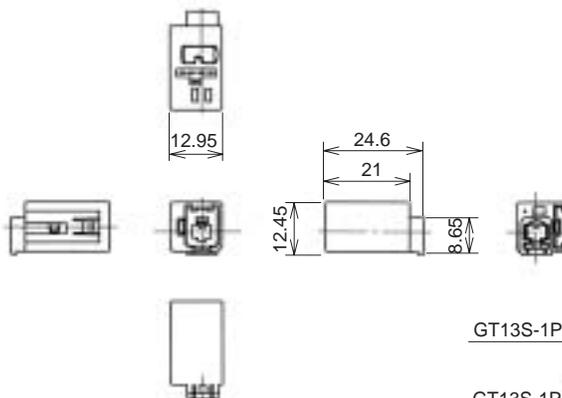


◆ Shown with inserted retainer.

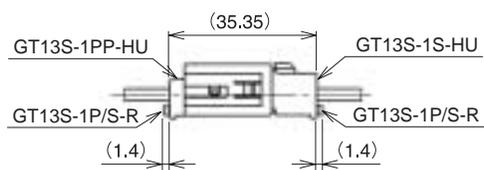


Part Number	CL No.	Material	Color	Key polarizing code
GT13S-1S-HU	763-0024-9	PBT	Light Gray	Figure①
GT13S-1S-HU (A)	763-0025-1	PBT	Brown	Figure②
GT13S-1S-HU (B)	763-0026-4	PBT	Green	Figure③

M Housings



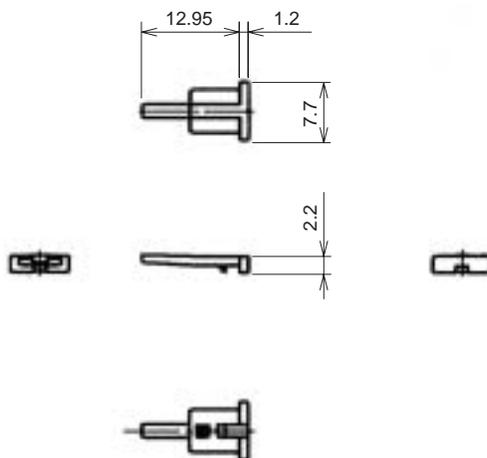
◆ Fully mated connector assemblies



Part Number	CL No.	Color	Key polarizing code
GT13S-1PP-HU	763-0030-1	Light Gray	Figure①
GT13S-1PP-HU (A)	763-0031-4	Brown	Figure②
GT13S-1PP-HU (B)	763-0032-7	Green	Figure③

Part	Material	Finish
Ground terminal	Copper alloy	Tin plating
Housing	PBT	—

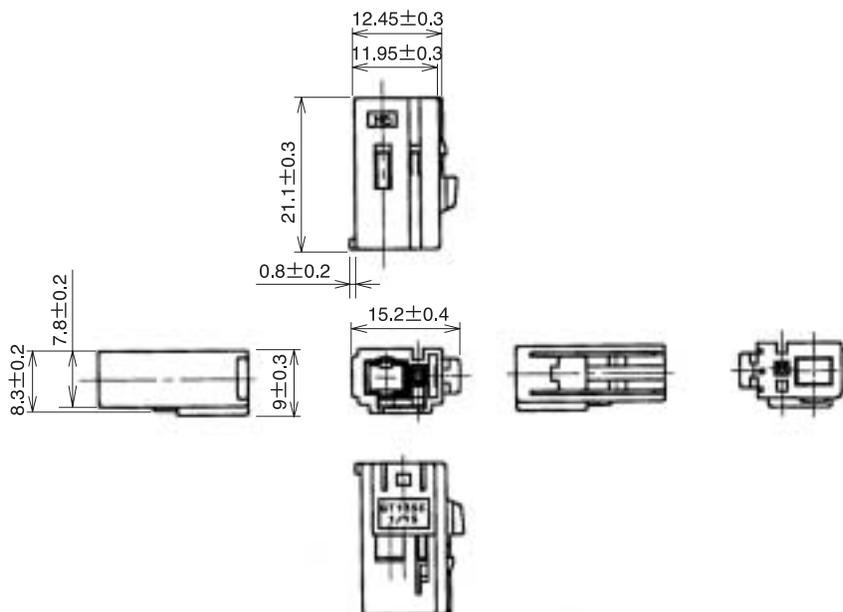
Retainer



Part Number	CL No.	Material	Color
GT13S-1P/S-R	763-0033-0	PBT	Light Gray

GT13SC Series

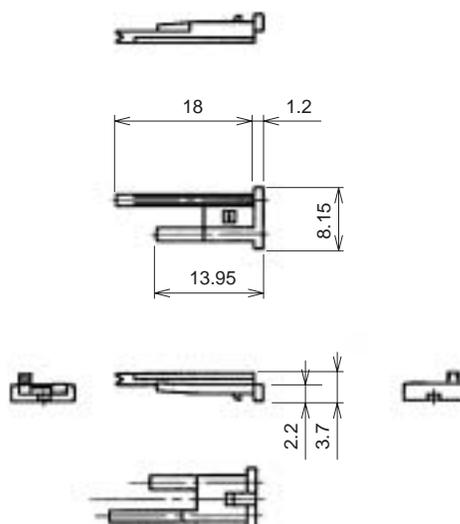
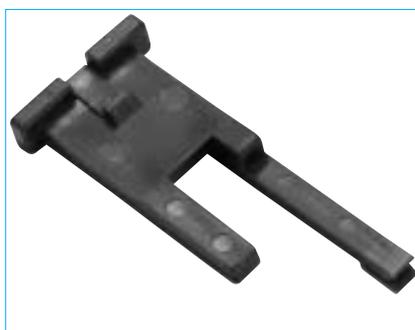
F Housing



Part Number	CL No.	Material	Color
GT13SC-1/1S-HU	763-0010-4	PBT	Light Gray

* GT10A-2022SCF is used for power supply terminals.

● Retainer



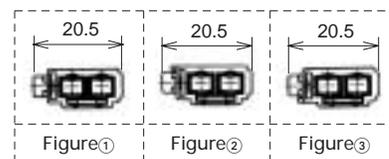
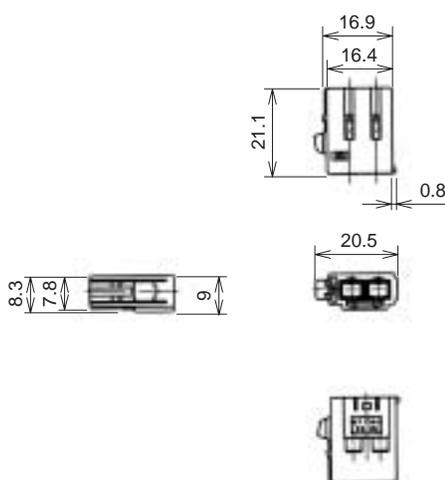
Part Number	CL No.	Material	Color
GT13SC-1/1S-R	763-0011-7	PBT	Dark Gray

GT13 Series

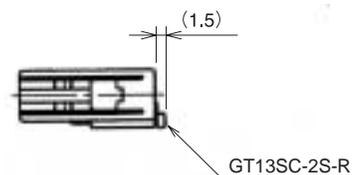
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

- GT 1
- GT 5
- GT 13
- GT 16
- PO5G
- GT 11
- GT 14
- GT 17
- GT 19N
- GT 2
- GT 3
- GT 6W
- GT 7
- GT 10
- GT 12
- GT 18W
- GT 15
- GT 8
- GT 9

F Housings (2 Position)

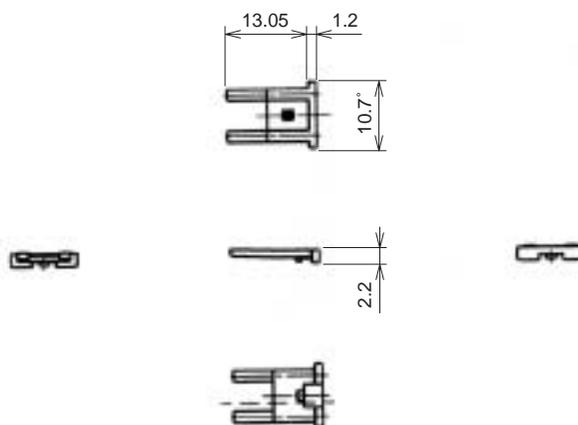


◆ Shown with inserted retainer.



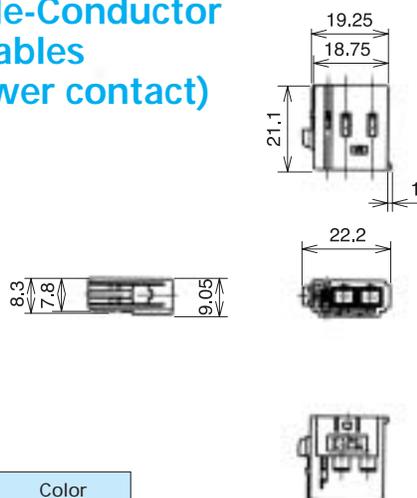
Part Number	CL No.	Color	Key polarizing code
GT13SC-2S-HU	763-0014-5	Light Gray	Figure①
GT13SC-2S-HU (A)	763-0043-3	Brown	Figure②
GT13SC-2S-HU (B)	763-0037-0	Green	Figure③

● Retainer (Used with GT13SC-2S-HU and GT13SCN-2PP-HU)

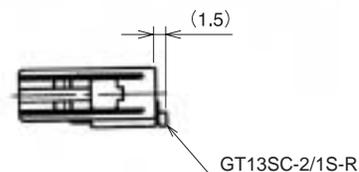


Part Number	CL No.	Material	Color
GT13SC-2S-R	763-0015-8	PBT	Dark Gray

F Housing (Two Single-Conductor Coaxial Cables + One Power contact)



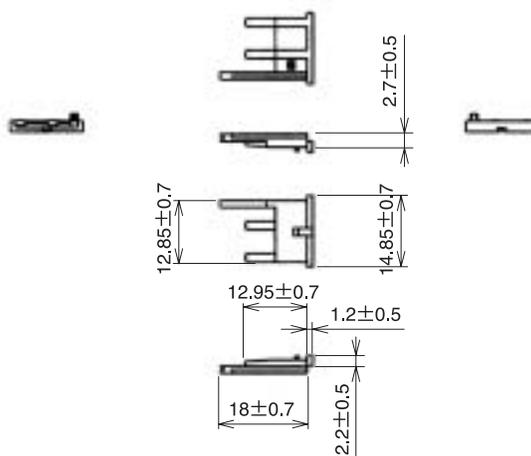
◆ Shown with inserted retainer.



Part Number	CL No.	Material	Color
GT13SC-2/1S-HU	763-0016-0	PBT	Light Gray

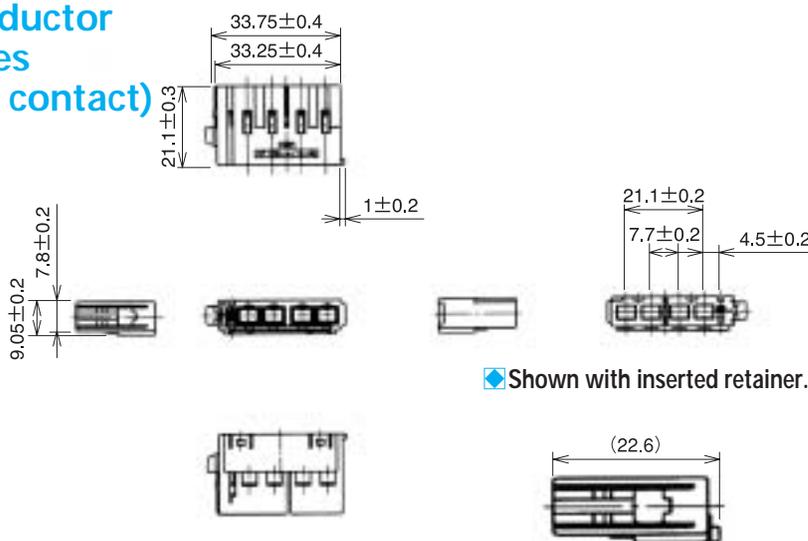
* GT10A-2022SCF is used for power supply terminals.

● Retainer (Used with GT13SC-2/1S-HU)



Part Number	CL No.	Material	Color
GT13SC-2/1S-R	763-0017-3	PBT	Dark Gray

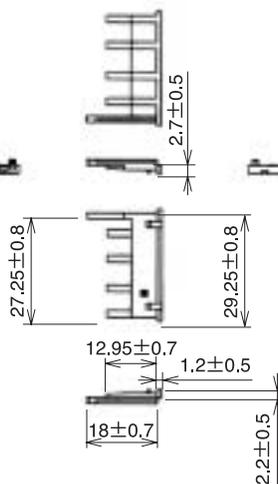
■ F Housings (4 Single-Conductor Coaxial Cables + One Power contact)



Part Number	CL No.	Color
GT13SC-4/1S-HU	763-0021-0	Light Gray
GT13SC-4/1S-HU (A)	763-0022-3	Brown

* GT10A-2022SCF is used for power supply terminals.

● Retainer (Used with GT13SC-4/1S-R)



Part Number	CL No.
GT13SC-4/1S-R	763-0023-6

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

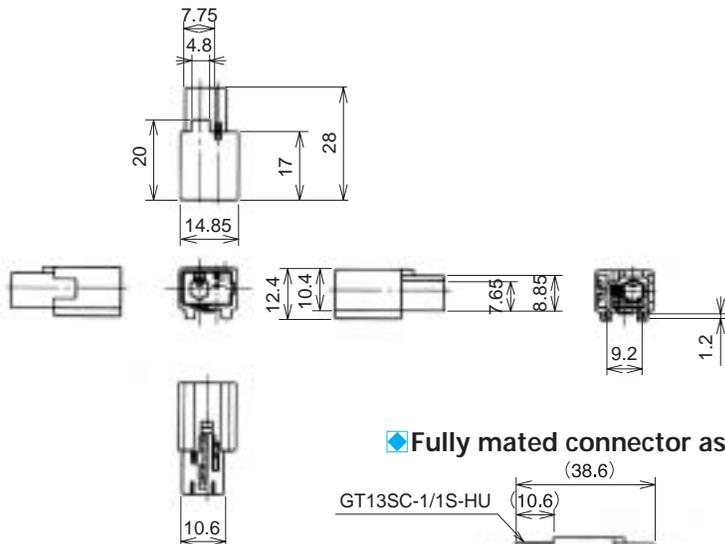
- GT 1
- GT 5
- GT 13**
- GT 16
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- GT 17
- GT 19N
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- GT 6W
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- GT 12
- GT 18W
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- GT 9

GT13 Series

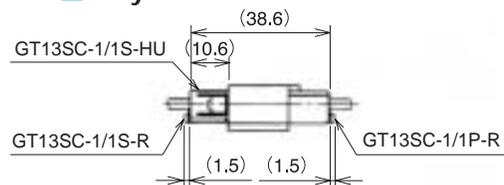
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M Connector



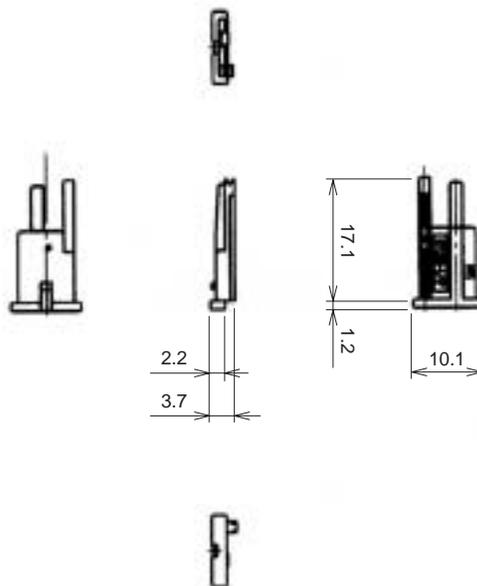
Fully mated connector assemblies



Part Number	CL No.	Material	Color
GT13SCN-1/1PP-HU	763-0036-8	PBT	Gray

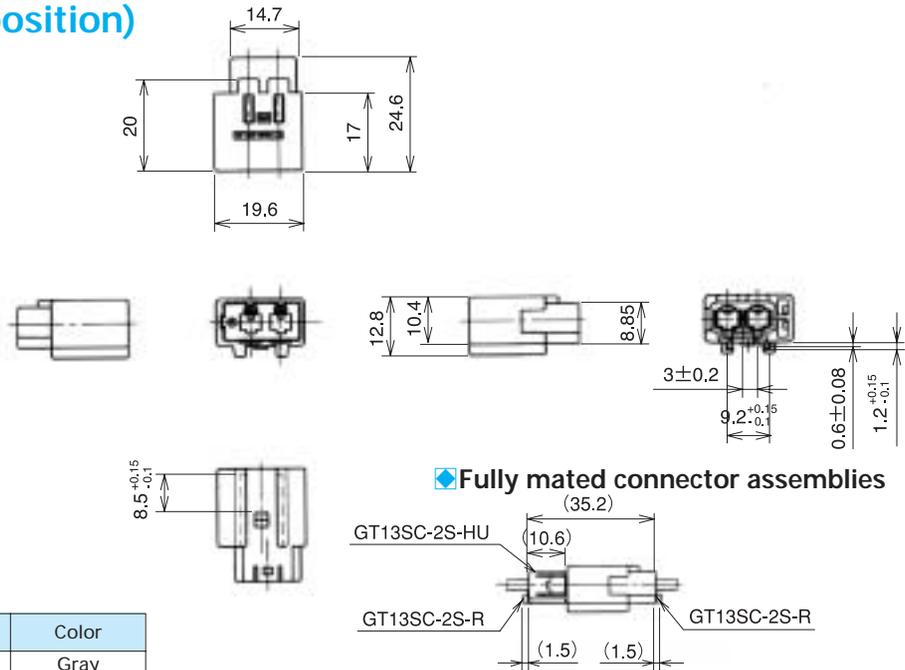
* GT10SC-2022PCF is used for power supply terminals.

Retainer (Used with GT13SCN-1/1PP-HU)



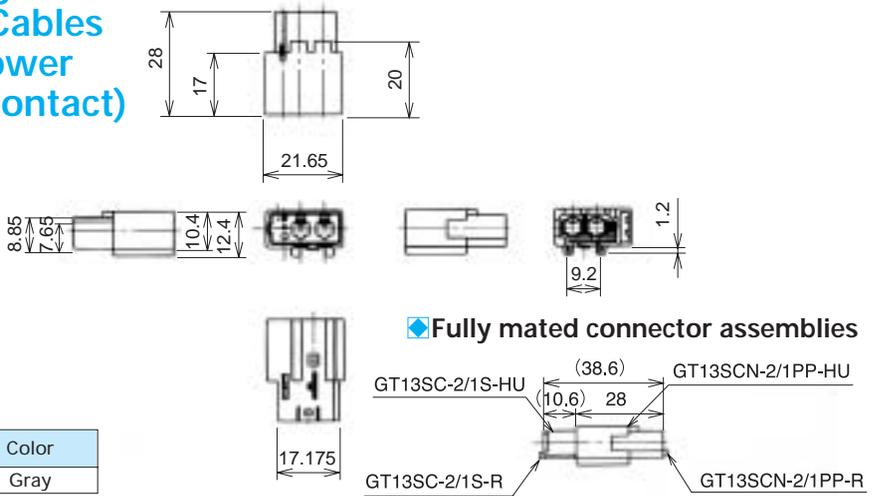
Part Number	CL No.	Material	Color
GT13SC-1/1P-R	763-0039-6	PBT	Dark Gray

M Connector (Two position)



Part Number	CL No.	Material	Color
GT13SCN-2PP-HU	763-0046-1	PBT	Gray

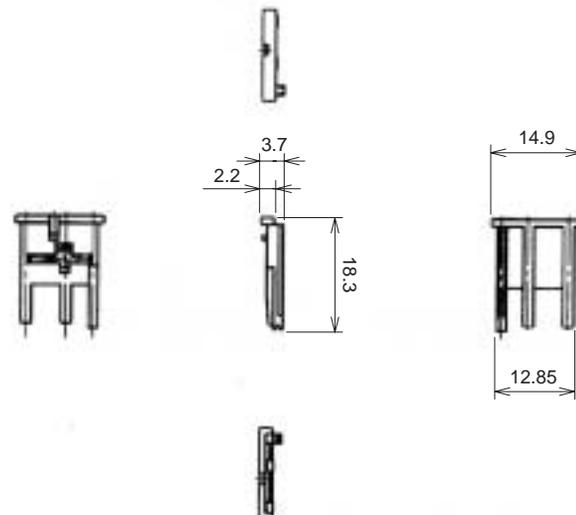
M Connector (Two Single-Conductor Coaxial Cables + One Power contact)



Part Number	CL No.	Material	Color
GT13SCN-2/1PP-HU	763-0038-3	PBT	Gray

* GT10SC-2022PCF is used for power supply terminals.

Retainer (Used with GT13SCN-2/1PP-HU)



Part Number	CL No.	Material	Color
GT13SC-2/1PP-R	763-0040-5	PBT	Dark Gray

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

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- GT 12
- GT 18W
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- GT 8
- GT 9

GT13 Series

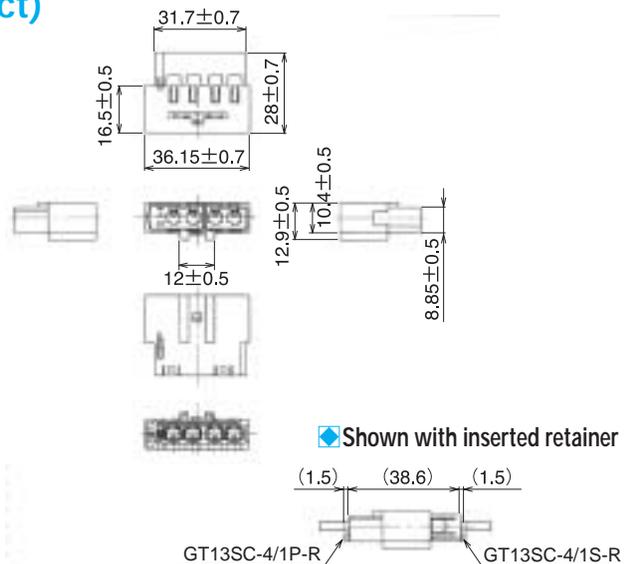
Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

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M Connector (4 Single-Conductor Coaxial Cables + One Power contact)



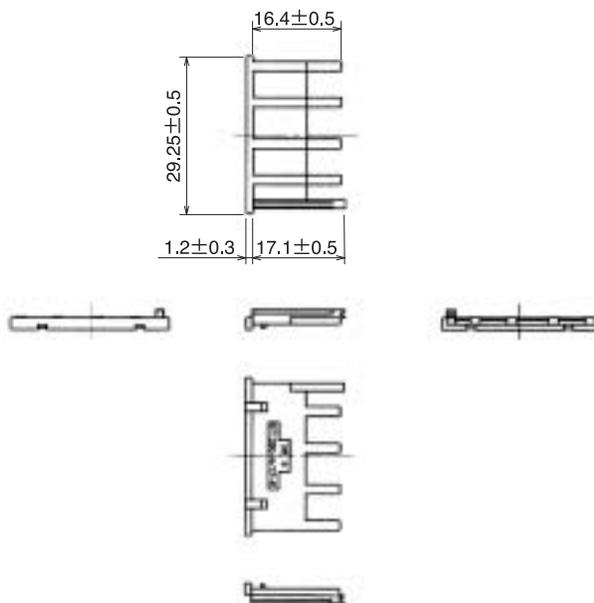
Part Number	HRS No.	Material	Color
GT13SCH-4/1PP-HU	763-0060-2	PBT	Light Gray



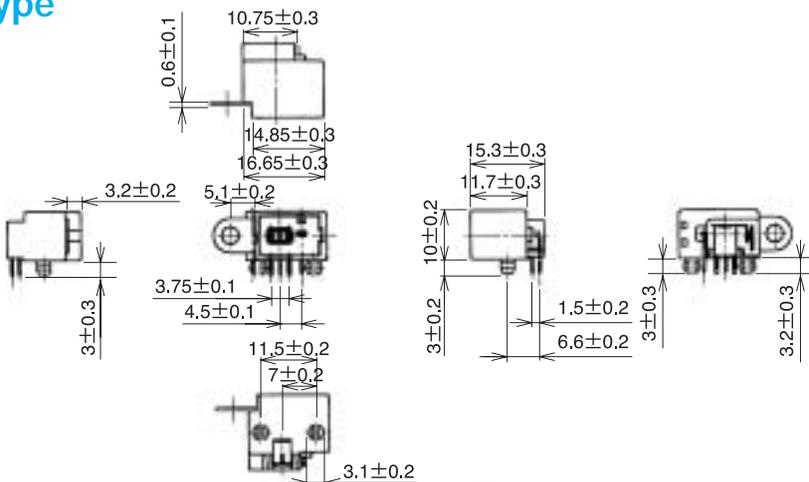
● Retainer



Part Number	HRS No.	Material	Color
GT13SC-4/1P-R	763-0061-5	PBT	Dark Gray

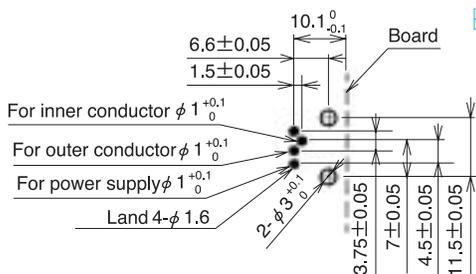


Printed Circuit Board Type

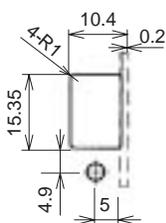


Part Number	CL No.	Material	Color
GT13SC-1/1PP-DS	763-0009-5	PBT	Light Gray

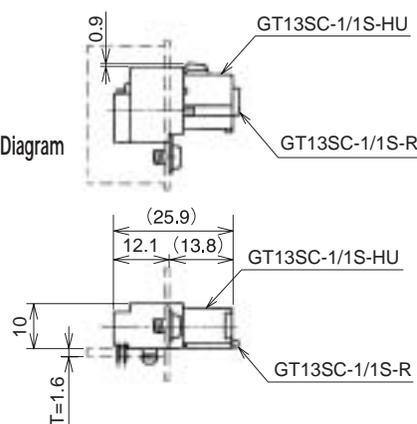
Recommended Board Mounting Pattern



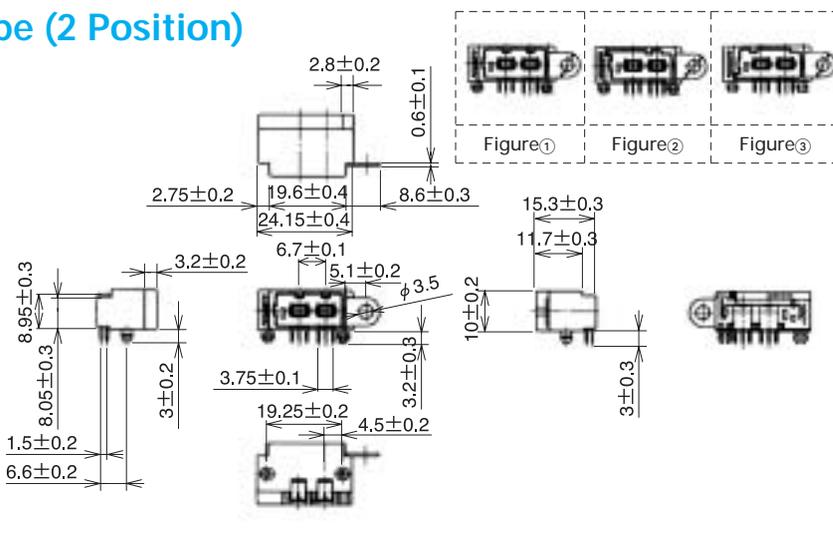
Recommended Panel Dimensions Diagram



Fully mated connector assemblies

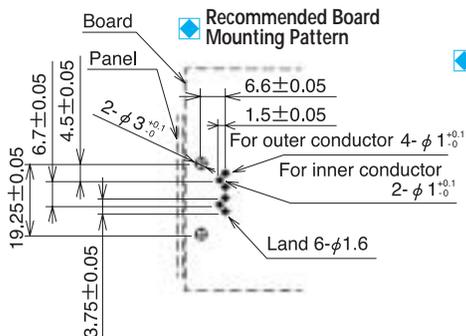


Printed Circuit Board Type (2 Position)

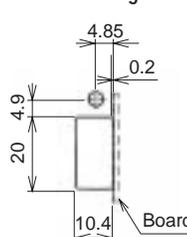


Part Number	CL No.	Material	Color
GT13SC-2PP-DS	763-0013-2	PBT	Gray
GT13SC-2PP-DS (A)	763-0034-2	PBT	Brown
GT13SC-2PP-DS (B)	763-0035-5	PBT	Green

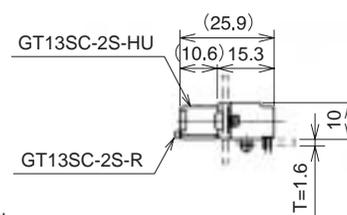
Recommended Board Mounting Pattern



Recommended Panel Dimensions Diagram



Fully mated connector assemblies

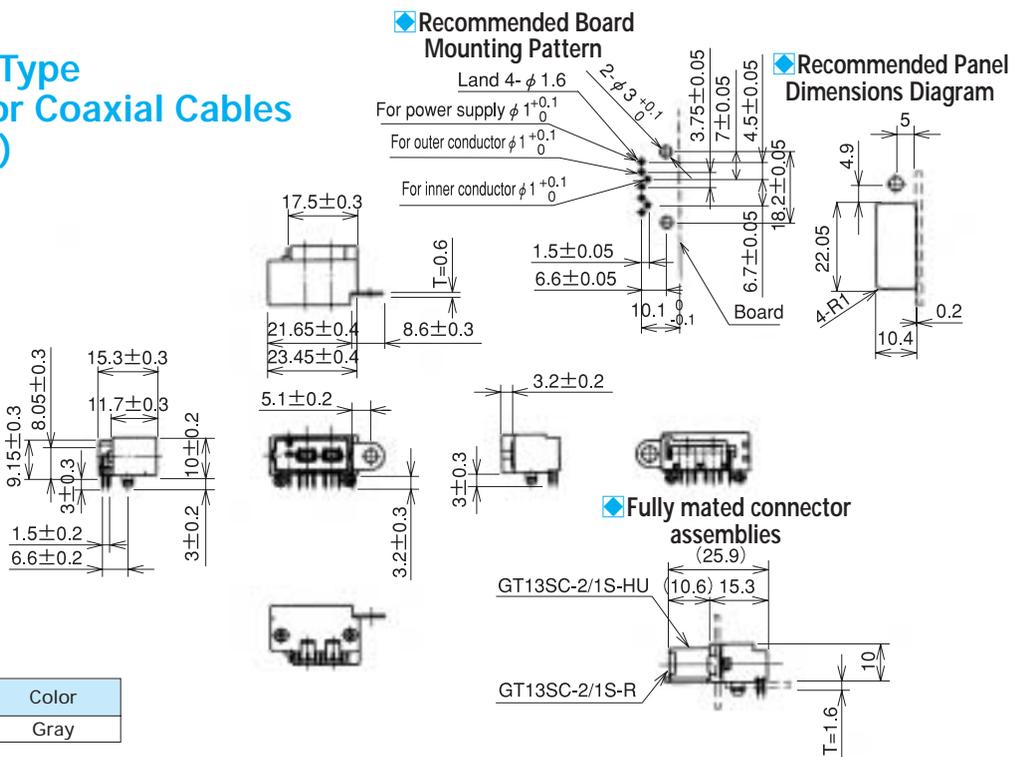


GT13 Series

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

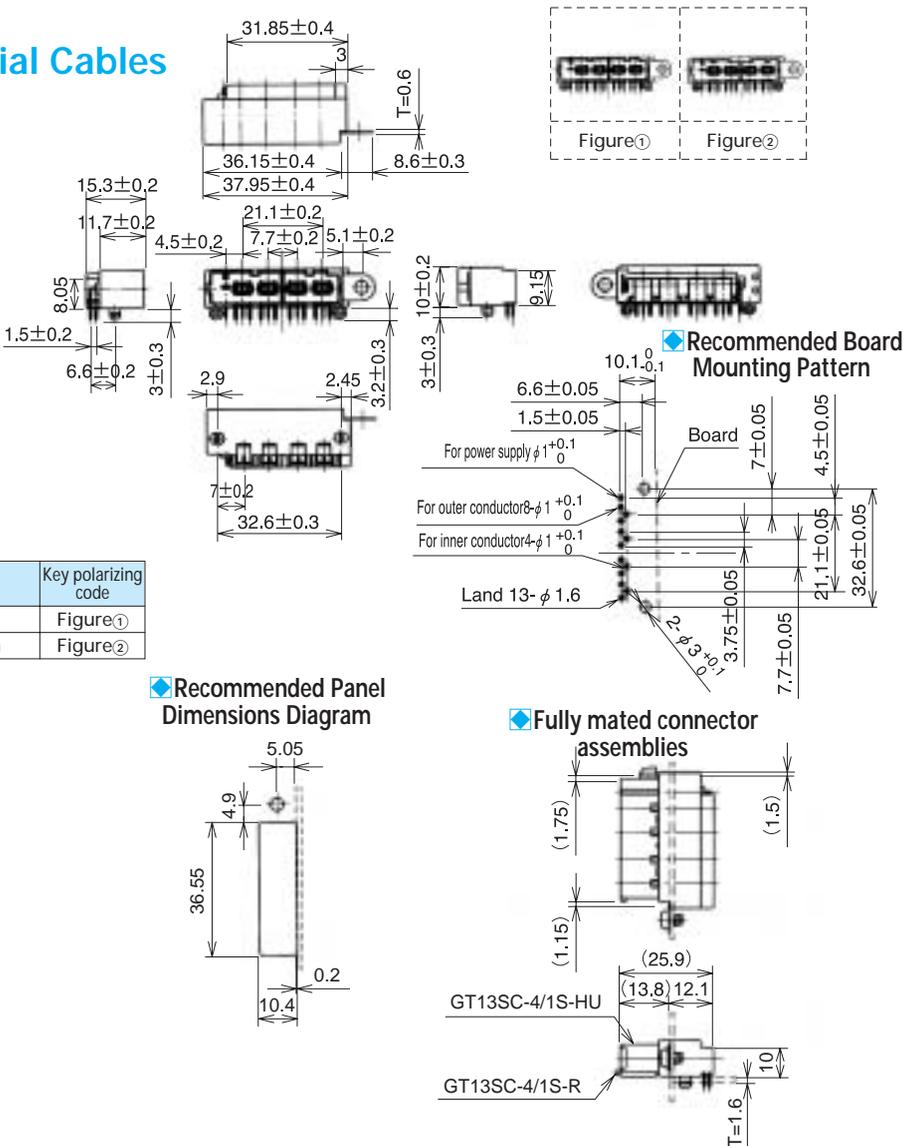
GT 1 GT 5 GT 13 GT 16 GT 19N GT 2 GT 3 GT 6W GT 7 GT 10 GT 12 GT 18W GT 8 GT 9

Printed Circuit Board Type (Two Single-Conductor Coaxial Cables + One Power contact)



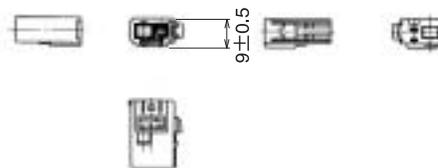
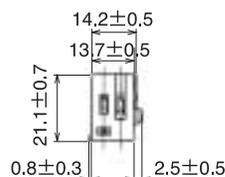
Part Number	CL No.	Material	Color
GT13SC-2/1PP-DS	763-0018-6	PBT	Gray

Printed Circuit Board Type (4 Single-Conductor Coaxial Cables + One Power contact)



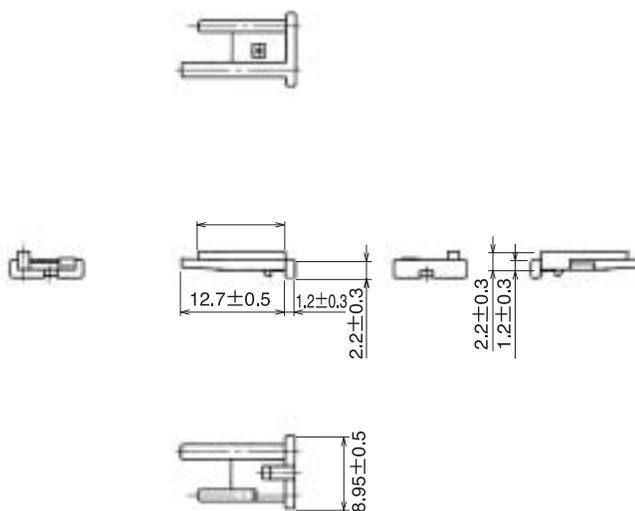
Part Number	CL No.	Material	Color	Key polarizing code
GT13SC-4/1PP-DS	763-0019-9	PBT	Gray	Figure①
GT13SC-4/1PP-DS (A)	763-0020-8	PBT	Brown	Figure②

F Housing (One Single-Conductor Coaxial Cables + One Power contact)



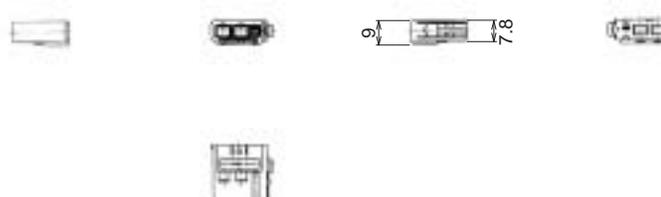
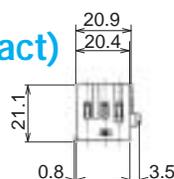
Part Number	HRS No.	Material	Color
GT13SH-1/1S-HU	763-0048-7	PBT	Light Gray
GT13SH-1/1S-HU(A)	763-0059-3	PBT	Brown

● Retainer



Part Number	HRS No.	Material	Color
GT13SH-1/1S-R	763-0049-0	PBT	Dark Gray

F Housing (Two Single-Conductor Coaxial Cables + One Power contact)



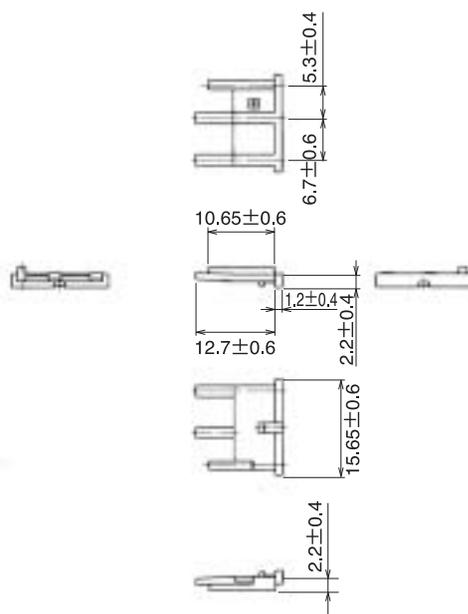
Part Number	HRS No.	Material	Color
GT13SH-2/1S-HU	763-0065-6	PBT	Light Gray

GT13 Series

● Retainer



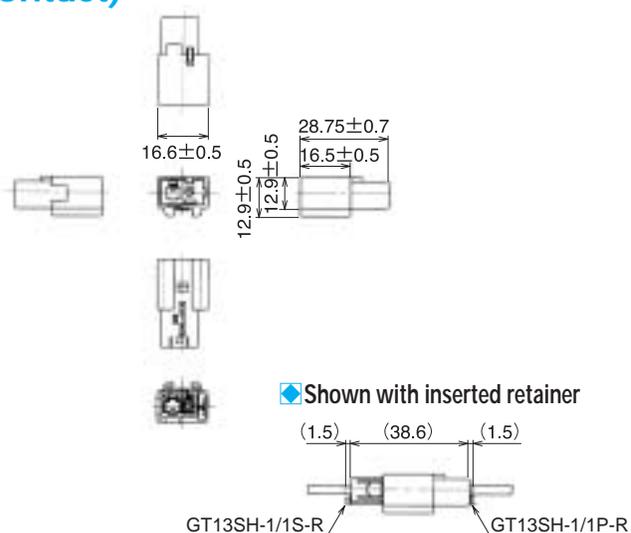
Part Number	HRS No.	Material	Color
GT13SH-2/1S-R	763-0064-3	PBT	Dark Gray



M Connector (One Single-Conductor Coaxial Cables + One Power contact)



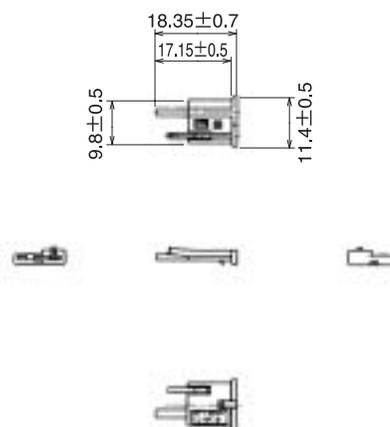
Part Number	HRS No.	Material	Color
GT13SH-1/1PP-HU	763-0055-2	PBT	Light Gray



● Retainer



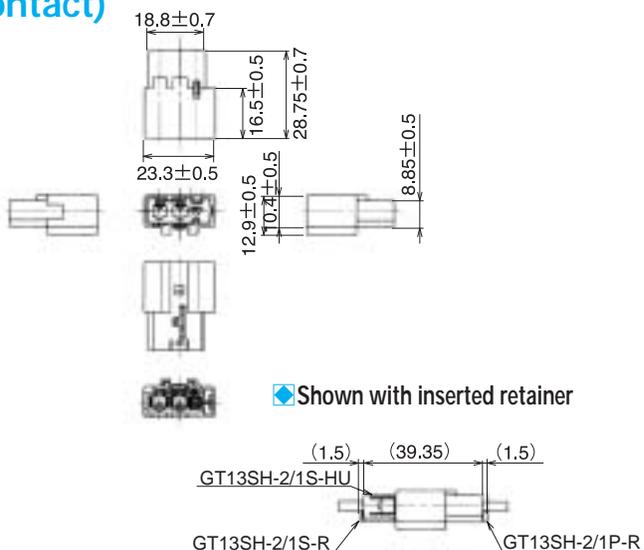
Part Number	HRS No.	Material	Color
GT13SH-1/1P-R	763-0056-5	PBT	Dark Gray



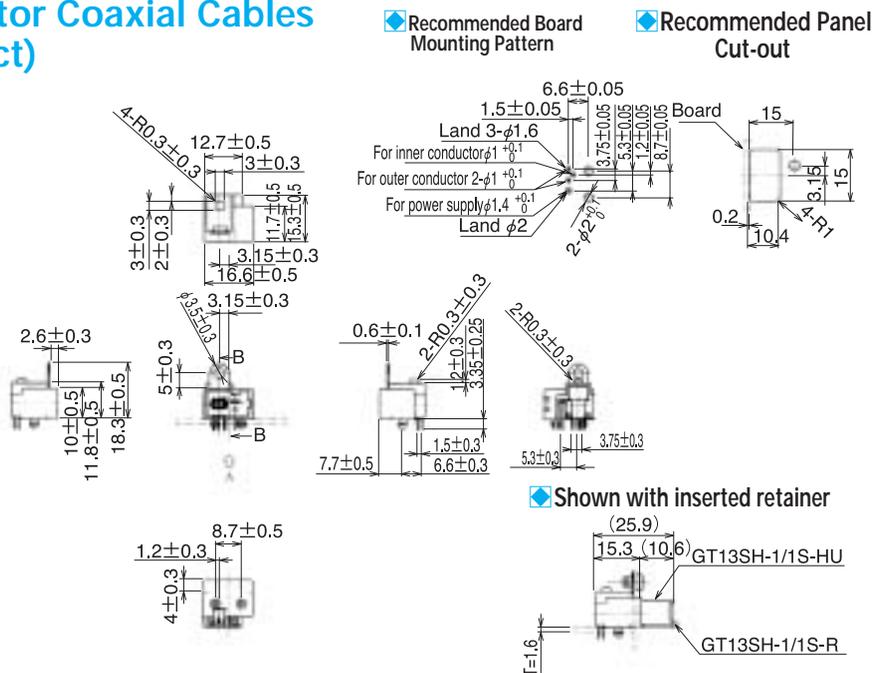
M Connector (Two Single-Conductor Coaxial Cables + One Power contact)



Part Number	HRS No.	Material	Color
GT13SH-2/1PP-HU	763-0076-2	PBT	Light Gray

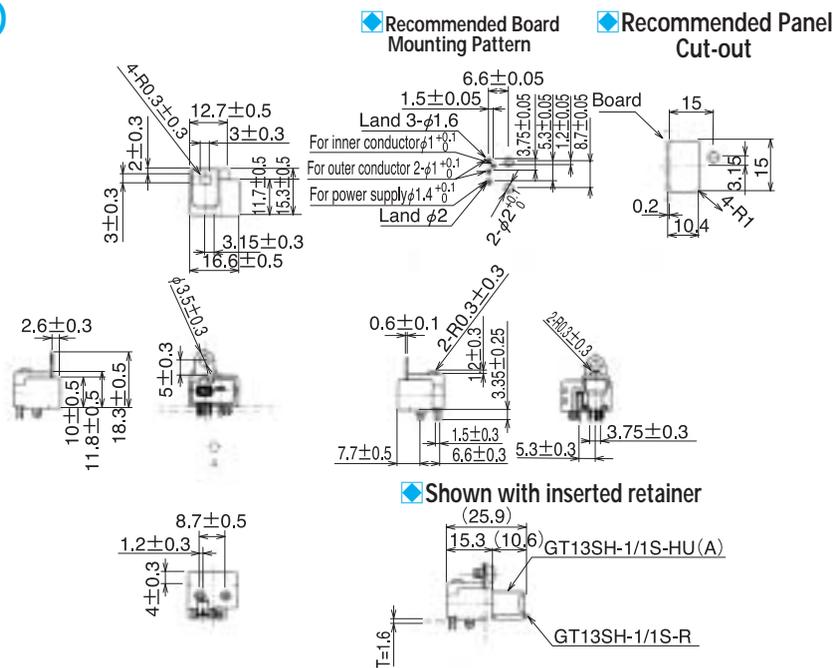


Printed Circuit Board Type (One Single-Conductor Coaxial Cables + One Power contact)



Part Number	HRS No.	Material	Color
GT13SHA-1/1PP-DS	763-0057-8	PBT	Light Gray

Printed Circuit Board Type (One Single-Conductor Coaxial Cables + One Power contact)



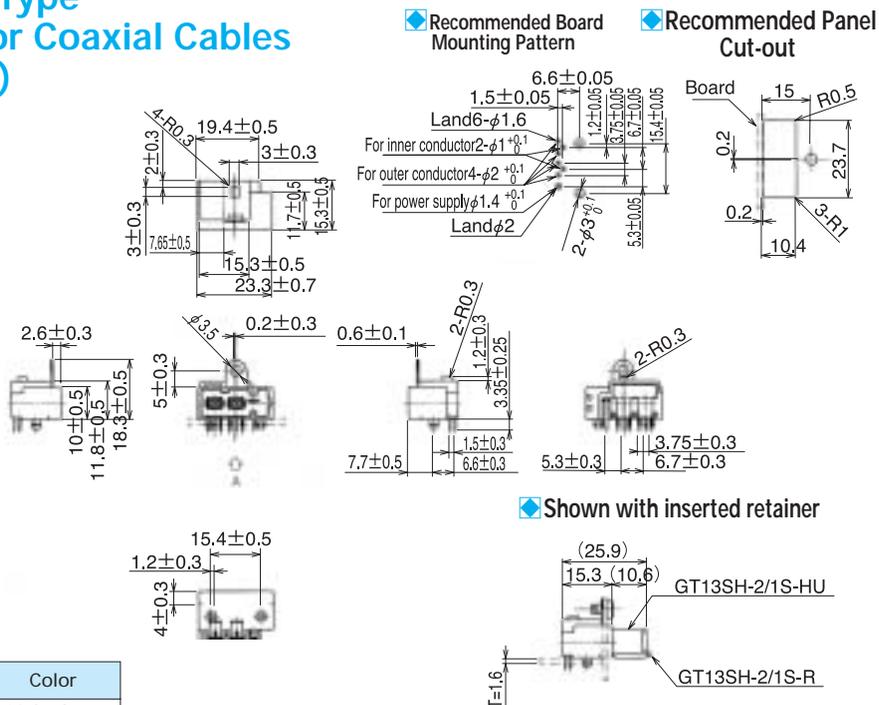
Part Number	HRS No.	Material	Color
GT13SHA-1/1PP-DS(A)	763-0058-0	PBT	Brown

GT13 Series

Coaxial cable connection of Antennas, Sensors, and Communication Trunk Lines

- GT 1
- GT 5
- GT 13
- GT 16
- PO5G
- GT 11
- GT 14
- GT 17
- GT 19N
- GT 2
- GT 3
- GT 6W
- GT 7
- GT 10
- GT 12
- GT 18W
- GT 15
- GT 8
- GT 9

Printed Circuit Board Type (Two Single-Conductor Coaxial Cables + One Power contact)



Part Number	HRS No.	Material	Color
GT13SHA-2/1PP-DS	763-0063-0	PBT	Light Gray

Termination Tools

User's manuals are available. Please contact a Hirose Electric account representative.

Automatic Crimping Machine



Part Number CM-105

Specifications

Item	Specification	Remarks
Specification	1.5tons	
Stroke Length	30mm	
Number of strokes	200spm (50Hz)	200spm (60Hz)
Weight	75kg	
Motor	0.2kW	100V AC
Crimping speed	2,000-4,000pcs, per day	

* Crimp height setting tables are available for each cable type. Please contact your nearest Hirose Electric account representative.
 Different cables will require different crimp height settings.

● A special reel stand is required.